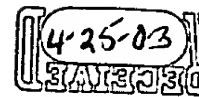


Appl. No.: 09/471,659  
Group Art Unit: 2634

12/24/99



PATENT

# 6/ #15  
P. DeLoatch  
05/05/03

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Clark, Jr. et al.

Appl. No.: 09/471,659

Filed: 12/24/1999

Title: METHOD AND APPARATUS  
FOR TRANSMISSION OF WELL-  
BORE DATA ON MULTIPLE  
CARRIER FREQUENCIES

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Group Art Unit: 2634

Examiner: Odom, Curtis B.

Atty. Docket: 59.0021

Confirmation No.: 7775

## --Certificate of Transmission

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Typed or printed name of person signing certificate  
Mary L. Thompson

Signature *Mary L. Thompson*

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

RESPONSE

Dear Sir:

In response to the Office Action of April 7, 2003, with a period for response to  
expire after July 7, 2003, please consider the remarks that follow.

REMARKS/ARGUMENTS

This Response is intended to be a complete response to the Office Action of  
April 7, 2003 and the case is believed to be in condition for allowance. Accordingly,  
reconsideration is respectfully requested.

Oilfield Services

Austin Technology Center  
Intellectual Property Law Department  
8311 North FM 620  
Austin, TX 78726  
Tel. (512) 331-3000  
Fax (512) 331-3060

**Schlumberger**

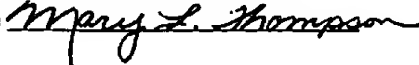
## Fax Message

To	Examiner Curtis B. Odom - Art Unit 2634 U.S. Patent and Trademark Office	Location	Washington, DC
cc		Fax	703-872-9314
From	Pehr B. Jansson, Reg. No. 35,759	Date	April 25, 2003
Pages (including cover sheet)	17		
Subject	<b>Response to Office Action of April 7, 2003 for Formal Entry in</b> U.S. Patent Application Serial No. 09/471,659 Title: METHOD AND APPARATUS FOR TRANSMISSION OF WELL-BORE DATA ON MULTIPLE CARRIER FREQUENCIES Inventor(s): Clark, Jr. et al. Filing Date: 12/24/1999 Attorney Docket No. 59.0021		

**Certificate of Transmission**

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Typed or printed name of person signing certificate  
Mary L. Thompson

Signature 

Dear Examiner Odom:

Please formally enter this Response in the above-identified U.S. Patent Application.

Respectfully submitted,



Pehr B. Jansson  
Reg. No. 35,759

**NOTICE OF CONFIDENTIALITY**

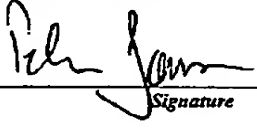
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<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b> Applicant(s): <b>Clark, Jr. et al.</b>			<b>Docket No.</b> <b>59.0021</b>
<b>Serial No.</b> 09/471,659	<b>Filing Date</b> 12/24/1999	<b>Examiner</b> Odom, Curtis B.	<b>Group Art Unit</b> 2634
<b>Invention: METHOD AND APPARATUS FOR TRANSMISSION OF WELL-BORE DATA ON MULTIPLE CARRIER FREQUENCIES</b>			
<p>I hereby certify that this <u>Amendment Transmittal Letter in duplicate (2 pages)</u> (Identify type of correspondence) is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>703-872-9314</u>) on <u>April 25, 2003</u> (Date)</p> <p style="text-align: right;"><u>Mary L. Thompson</u> (Typed or Printed Name of Person Signing Certificate) <u>Mary L. Thompson</u> (Signature)</p> <p style="text-align: center;">Note: Each paper must have its own certificate of mailing.</p>			

P18/REV01

<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>			Docket No. <b>59.0021</b>		
Applicant(s): <b>Clark, Jr. et al.</b>					
Serial No. <b>09/471,659</b>	Filing Date <b>12/24/1999</b>	Examiner <b>Odom, Curtis B.</b>	Group Art Unit <b>2634</b>		
Invention: <b>METHOD AND APPARATUS FOR TRANSMISSION OF WELL-BORE DATA ON MULTIPLE CARRIER FREQUENCIES</b>					
<u><b>TO THE ASSISTANT COMMISSIONER FOR PATENTS:</b></u>					
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	32 -	32 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	4 -	4 =	0 x	\$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ A duplicate copy of this sheet is enclosed. <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. <b>19-0597</b> A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</div><div style="text-align: right;">Dated: <b>April 25, 2003</b></div></div> <div style="margin-top: 20px;"> _____ Signature</div> <div style="margin-top: 20px;">Schlumberger Austin Technology Center Attn: Pehr B. Jansson, Intellectual Prop. Law Dept 8311 North FM 620 Austin, TX 78726 512-331-3748 (Tel) 512-331-3060 (Fax)</div>					
<div>I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.</div> <div style="border-top: 1px solid black; height: 30px; margin-top: 10px;"></div> <div style="text-align: center; font-size: small;">Signature of Person Mailing Correspondence</div> <div style="border-top: 1px solid black; height: 30px; margin-top: 10px;"></div> <div style="text-align: center; font-size: small;">Typed or Printed Name of Person Mailing Correspondence</div>					
CC:					

P11LARGE/REV08